

Title (en)
ARTICLE AND METHOD

Title (de)
ARTIKEL UND VERFAHREN

Title (fr)
ARTICLE ET PROCÉDÉ

Publication
EP 3823778 A1 20210526 (EN)

Application
EP 19745249 A 20190719

Priority
• GB 201811899 A 20180720
• GB 2019052044 W 20190719

Abstract (en)
[origin: WO2020016613A1] A method of providing an article having a set of directional channels, including a first directional channel, therein is described. The method comprises preparing a mixture including particles comprising a first material and a first binding agent. The method comprises providing an article precursor by surrounding a pattern comprising a second material with the mixture. The method comprises heating the article precursor thereby coalescing the particles to provide the article. The method comprises removing the pattern by reacting the second material to form a gaseous product, thereby providing the set of directional channels in the article, wherein the set of directional channels corresponds with the removed pattern. Such an article is also described.

IPC 8 full level
B22F 1/107 (2022.01); **B22F 3/10** (2006.01); **B22F 3/11** (2006.01); **B22F 5/10** (2006.01); **B28B 1/30** (2006.01); **C04B 35/45** (2006.01); **F28F 21/00** (2006.01); **B22F 1/05** (2022.01)

CPC (source: EP US)
B22F 1/107 (2022.01 - EP US); **B22F 3/10** (2013.01 - EP); **B22F 3/1021** (2013.01 - EP); **B22F 3/1025** (2013.01 - EP US); **B22F 3/1103** (2013.01 - US); **B22F 3/1137** (2013.01 - EP US); **B22F 3/1143** (2013.01 - EP US); **B22F 5/10** (2013.01 - EP US); **C04B 38/067** (2013.01 - EP); **B22F 1/05** (2022.01 - EP US); **B22F 3/1103** (2013.01 - EP)

C-Set (source: EP)
1. **C04B 38/067** + **C04B 35/45**
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Citation (search report)
See references of WO 2020016613A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2020016613 A1 20200123; CN 112512726 A 20210316; CN 112512726 B 20230616; EP 3823778 A1 20210526; GB 201811899 D0 20180905; US 11597012 B2 20230307; US 2021308758 A1 20211007

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